06-30-06

Docket No. 212/862US *HW*

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re Application of:

Haibin Huang, et al.

Serial No.: 10/573,954 | Art Unit: unassigned

Filed: March 28, 2006

For: Method for Transforming
a Digital Signal From the
Time Domain Into the
Frequency Domain and Vice
Versa

Examiner: unassigned

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
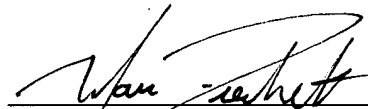
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

    Enclosed please find Applicants' Information Disclosure

Statement.

Date: June 28, 2006   By: _____
                                Marc J. Frechette, Esq.
                                Reg. No. 49060

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.	SERIAL NO.
212/862US	10/573,954

APPLICANT
Haibin Huang, et al.

FILING DATE	GROUP
March 28, 2006	unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2002/0012470	01/02	Luna	382	233	
	AB	2003/0014136	01/03	Wang	700	94	
	AC	5,523,847	06/96	Feig	358	261.3	
	AD	5,999,656	12/99	Zandi	382	248	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	WO 00/55757	09/00	PCT			
	AM	EP 1406179A1	04/04	Europe			

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

		Yonghong ZENG, et al., "Integer DCTs and Fast Algorithms", *IEEE Transactions on Signal Processing*, vol. 49, no. 11, Nov. 2001, pages 2774-2782
		David DARLINGTON, et al. "Digital Audio Effects in the Wavelet Domain", *Proc. Of the 5th Int. Conference on Digital Audio Effects*, Hamburg Germany, Sept. 26-28, 2002
		Ingrid DAUBECHIES and Wim SWELDENS, "Factoring Wavelet Transforms Into Lifting Steps", *Tech, Report*, Bell Laboratories, Lucent Technologies, 1996

EXAMINER	DATE CONSIDERED

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 212/862US	SERIAL NO. 10/573,954
LIST OF PRIOR ART CITED BY APPLICANT (use several sheets if necessary)		APPLICANT Haibin Huang, et al.	
		FILING DATE March 28, 2006	GROUP unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	GB 2325368 A	11/98	United Kingdom			
	AM						

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

		Pengwei HAO and Qingyun SHI, "Matrix Factorizations for Reversible Integer Mapping", *IEEE Trans, Signal Processing*, vol. 49, no. 10, Oct. 2001, pages 2314-2324
		Soontorn ORAINTARA, et al., "Integer Fast Fourier Transform", *IEEE Trans, Signal Processing*, vol. 50, no. 3, Mar. 2002, pages 607-618
		Jia WANG, et al., "1-D and 2-D Transforms from Integers to Integers," *Proc. Int. Conf. Acoustics, Speech and Signal Processing*, Hong Kong, 2003, vol. II pages 549-552

EXAMINER	DATE CONSIDERED

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 212/862US		SERIAL NO. 10/573,954
LIST OF PRIOR ART CITED BY APPLICANT (use several sheets if necessary)		APPLICANT Haibin Huang, et al.		
		FILING DATE March 28, 2006	GROUP unassigned	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM						

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

		Gerlind PLONKA and Manfred TASCHE "Invertible Integer DCT Algorithms", *Appl. Comput. Harmon. Anal.* 15:70-88, 2003
		Henrique S. MALVAR, "Signal Processing with Lapped Transforms", *Artech House,* 1992
		Ralf GEIGER, et al., "Audio Coding Based on Integer Transforms", *AES 111th Convention,* New York, USA, Sept. 2001, Convention Paper 5471

EXAMINER	DATE CONSIDERED

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 212/862US	SERIAL NO. 10/573,954
LIST OF PRIOR ART CITED BY APPLICANT (use several sheets if necessary)		APPLICANT Haibin Huang, et al.	
		FILING DATE March 28, 2006	GROUP unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM						

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

		Wang ZHONGDE, "On Computing the Discrete Fourier and Cosine Transforms", *IEEE Trans. On Acoustics, Speech and Signal Processing*, vol. ASSP-33, no. 4, Oct. 1985
		International Organization for Standardization; Coding of Moving Pictures and Audio, "Workplan for Evaluation of Integer MDCT for FGS to Lossless Experimentation Framework", ISO/IEC JTC 1/SC 29/WG 11 N5578, Pattaya, Thailand, Mar. 2003

EXAMINER	DATE CONSIDERED

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant